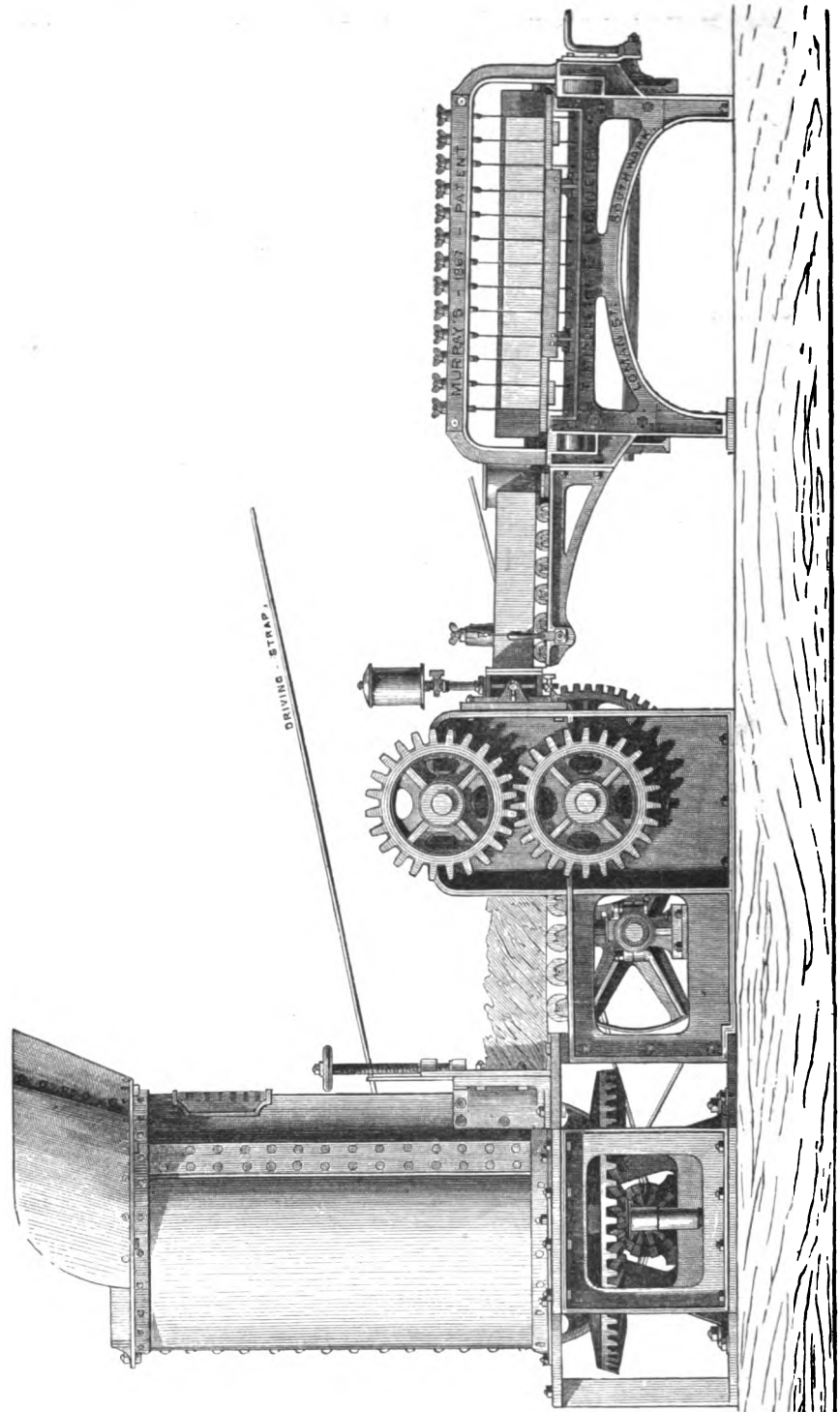


MURRAY'S PATENT BRICK-MAKING MACHINERY.

SOLE MANUFACTURERS:

THOMAS MIDDLETON AND CO., LOMAN STREET, SOUTHWARK.

FIG. 1.

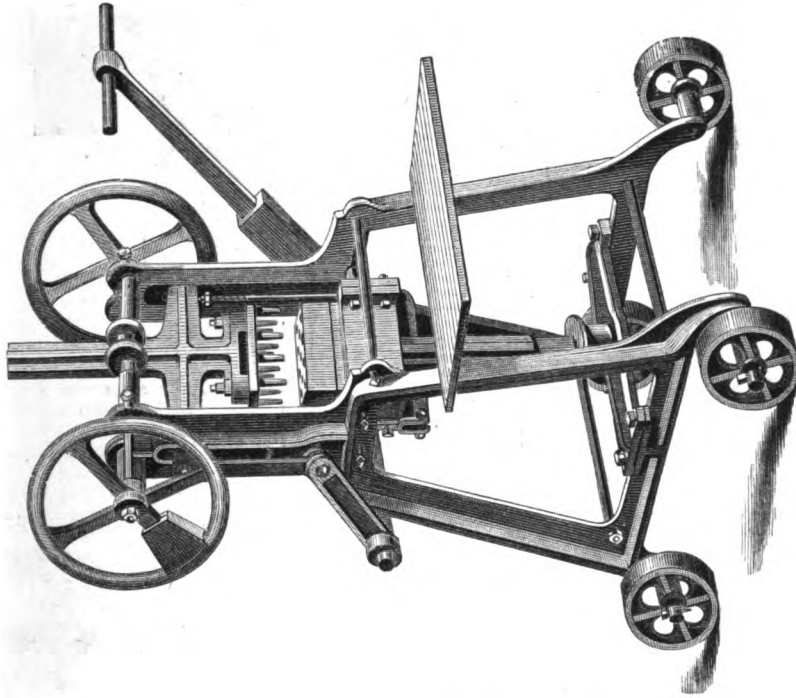


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FIG. 2.

Murray's Patent Continuous Delivery Machine, shown at Fig. 1, combines Murray's Patent Lubricating Solid Die and Murray's Patent Cutting Table. The Die, which requires no driving gear and in which water is used for lubrication, produces a perfect stream with sharp arris: and the Cutting Table possesses the great advantage of working a Continuous or non-intermittent stream of clay. The Dies and Cutting Tables can be used with any other machine, together or separately.

Fig. 2. Murray's Patent Brick Press can be arranged to work either by Hand or Steam power. The ordinary size as shown with Press, 4000 to 5000 per day of ten hours.



The boxes are self lubricating, and, by the action of the lever making a stroke down and up again, the brick is pressed and delivered.

The boxes are readily changed, and any wear can be easily taken up.

PRICES.

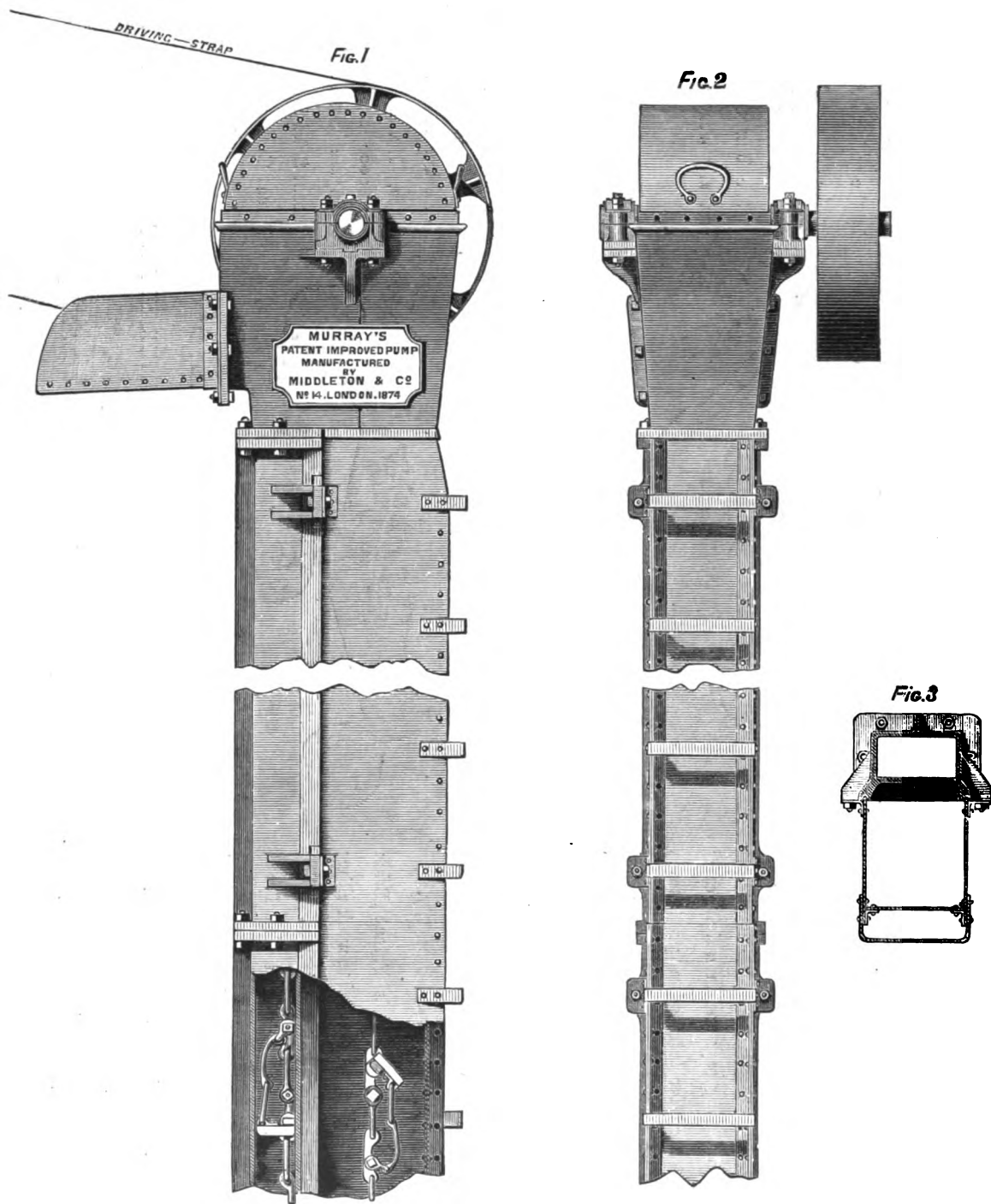
Patent Continuous Delivery Machine, No. 1: 12,000 to 15,000 per day, 8 h.p.	
Engine	£215
Ditto, No. 2: 20,000 to 25,000, 10 to 12 h.p.	
Engine	£280
Patent Solid Die	£22
Patent Cutting Table ..	£38
Patent Brick Press	£33

IMPROVED CRUSHING ROLLERS, WINDING GEAR, AND OTHER PLANT FOR BRICK MAKING.

ESTIMATES GIVEN ON APPLICATION.

THOMAS MIDDLETON AND CO.,
LOMAN STREET, SOUTHWARK, LONDON.

*Murray's Improved Patent Combined Wrought-Iron
and Cast-Iron Chain Pump.*



THOMAS MIDDLETON AND CO.,
LOMAN STREET, SOUTHWARK, LONDON.

MURRAY'S IMPROVED PATENT CHAIN PUMP.

MANUFACTURED ONLY BY

THOMAS MIDDLETON AND CO., LOMAN STREET, SOUTHWARK,
LONDON.

These Pumps are an improvement upon the well-known Murray's Patent Chain Pump, which has met with marked approval from Contractors, Engineers, &c.

The improvement consists in combining with a Cast-Iron Working Barrel a Wrought-Iron Casing for the descending chain. Thus constructed, the Pump has all the advantages of the old Wrought-Iron Pump at less cost, while the Barrel can never leak, as there are no Rivets in it. It is therefore well adapted for Sinking purposes.

LIST OF PRICES.*

Nos.	Sizes of Pump.	Number of Gallons per Minute.			H.P. for 10 ft. high.	
Single Chains, Geared Heads extra, under 40 feet high.	1 8 × 4	500	10 feet high.	£ 40 0 0	1	{ For each additional } £ 2 14 0 foot in height, add }
	2 10 „ 5	700	„	50 0 0	1.4	„ „ 3 6 0
	3 12 „ 6	1000	„	60 0 0	2	„ „ 3 18 0
	4 14 „ 7	1300	„	70 0 0	2.63	„ „ 4 8 0
	5 16 „ 8	1600	„	80 0 0	3.23	„ „ 4 16 0
Double Chains, with Geared Heads.	6 24 „ 8	2000	„	120 0 0	4	„ „ 6 18 0
	7 27 „ 9	2500	„	135 0 0	5	„ „ 7 10 0
	8 30 „ 10	3000	„	150 0 0	6	„ „ 8 16 0
	9 33 „ 11	3500	„	160 0 0	7	„ „ 9 10 0
	10 36 „ 12	4000	„	175 0 0	8	„ „ 10 10 0

* The Pumps are measured from the ground to the bottom of the Delivery Trough; the height of the Lift of water required should be mentioned in giving an order. It is advised that 2 feet be allowed in Nos. 1 to 5, and 3 feet in Nos. 6 to 10 beyond the height of the Lift.

THOMAS MIDDLETON AND CO.,
LOMAN STREET, SOUTHWARK, LONDON